

Patent Abstracts of Japan

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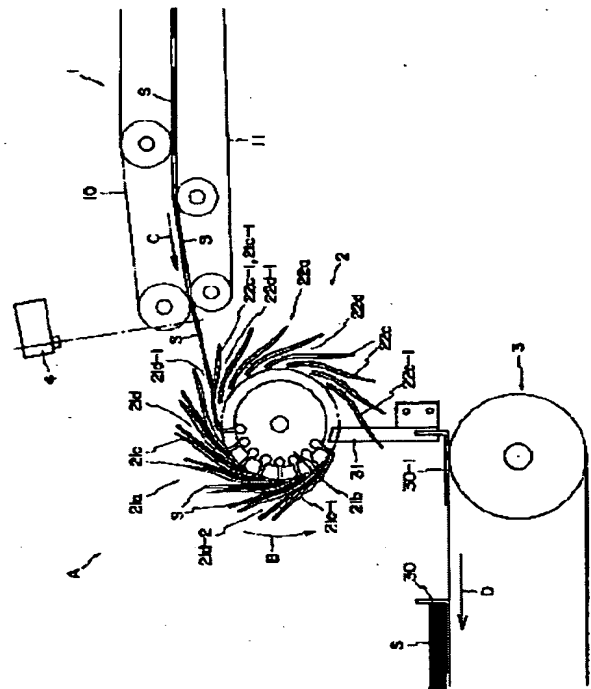
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TITLE : THIN SHEET STACKER



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To provide a thin sheet stacker which may smooth a flow of thin sheets so as to avoid disturbances, correspond a fast flow thereof, and reliably stack the thin sheets while improving its processing capability.

**SOLUTION:** This stacker is provided with a conveyor 1 for delivering thin sheets S, a handling apparatus 2 and a discharging conveyor 3. The handling apparatus comprises a first vane wheel 21 and a second vane wheel 22 which are disposed on the same rotary shaft and respectively connected to independent drive systems. Each vane wheel has a plurality of vanes mounted thereon within a range of 180° of its peripheries so as to form holding spaces among the vanes. While one vane wheel 21 is intermittently rotating so as to successively accommodate the thin sheets S in the holding spaces, the other vane wheel 22 takes and piles the thin sheets on the discharging conveyor in a stack state. A top vane 22-c is partially controlled such that it rotates to a position corresponding to a tail vane 21-c of the one vane wheel then intermittently rotates to accommodate the thin sheets into the holding spaces, following the one vane wheel.

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